gilzhaiek@hotmail.com
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901-1159 Main St, Vancouver, V6A 4B6
British Columbia, Canada

Gil Zhaiek
Principal Engineer

Abilities:

- Leader, coacher, trainer and critical thinker. System view and details perceptive, developed sense of criticism, innovation, responsibility, aiming to influence, sharing knowledge, excellent ability of analysis and solving problems.

Technical Skills:

- **Technologies**: Android OS (7 yrs), NLP (1 yr), Web (3 yrs), Apache Spark (1 yr), Embedded Linux Kernel and uBoot (8 yrs), OpenGL ES (1 yr), ASP.Net (4 yrs), Multi-Threaded Programming (7 yrs), FPGA (4 yrs), Linux (12 yrs), SE Linux (2 yrs).

- **Languages**: Java (10 yrs), Python (3 yrs), Scala (1 yr), Angular JS 2 (1 yr), C++ (13 yrs), C#/W[PC]F (8 yrs), JQuery/JavaScript (3 yrs), Sql (4 yrs), BASH (7 yrs), Verilog (3 yrs).

Professional Skills:

- **Team Leading** – Leading by MBO (setting objectives), standardized code, motivated team members, encourage open communication in the group and with other project's groups.

- **Technical Instructor** – Providing in-person professional training covering Apache Spark and Android OS, which include the framework, application, drivers and security.

- **OS Architect** – Architected and modified the Android OS to be low power, small size and customized for a head mounted display. Designed the internal API between the Embedded Team to the Application Team that was later used for 3rd party developers.

- **Android Board Bring-Up** – Multiple Android OS Board Brings-Ups under limited budget and tools while keeping time from bring-up to manufacturing to minimum.

- **Real Time OS** - Real Time embedded system project manager and Firmware designer. Managed the design and implementation of an Active RFID modem on an in-house developed board under time-limited environment and stringent system constraints.

- **Customer Project Management** – understood customer's needs, presented the customer with a possible solution, negotiated of project time, directed the implementation of a solution and managed the support of the finished product.

- **Post and Pre Sales** – Provided in-depth post-sales product support and pre-sales representation in Europe and Japan.

Patents:

- **US 20140059472 (Inventor) –** Methods and systems for controlling electronic devices. A soft directional keyboard (D-Pad), which minimizes the amount of clicks to navigate between any key to any other key.

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Work Experience:

- Technical Leader / **Startup**   2016-Now
  - Working on a complex business system for low-tech field workers.

- Technical Instructor – Android OS / **NewCircle & Simplilearn**   2014-2016
  - Provided the following remote and in-person professional training 3 to 5 days courses: App Development; Android Framework; Android Security and Testing.

- SDK Evangelist (Internal and External) / **Recon Instruments (Intel)**   2014-2015
  - Architected and designed our Android SDK Add-On. https://goo.gl/jRBFDA
  - Supported both internal and external developers.

- Software Manager and Lead Developer / **Recon Instruments**   2011-2014
  - 3 different boards bring ups: Vanilla Android (Jelly beans and Gingerbread) on a Head Mounted Display. Jet: https://goo.gl/XKS6Pn Snow2: https://goo.gl/8MDjL1
  - Architected the OS to be low power and size by removing and internal services and modifying existing ones. The team was responsible to write and modify various display, sensor and connectivity drivers and native and OpenGL applications.

- Real Time Software Consultant / **GILAT, Contractor**   2010
  - Upgraded VxWorks code to embedded POSIX Linux. Had to follow milestones such as compilation success, non-crash run, and successful control.

- Real Time Software Engineer **/ Sandlinks Systems**   2007-2009
  - Real Time Engineer of an Active RFID modem on an in-house developed board.
  - Develop Embedded Linux User Space RT application, uBoot and Linux Kernel Drivers.

- Hardware Verification Lead and Consultant **/ Simplus**   2004-2007
  - Designing Verilog/VHDL test-benches in C++ (emphasis on OOP).

- Hardware Engineer / **Israeli Defense Forces (Intelligence)**   2002-2004
  - Programming FPGA (Virtex II) using Verilog and ModelSim for data encryption.

- Infrastructure Software Developer / **FinanCenter**   2000-2002

Education:

- MBA - Specialism in Marketing   **Heriot-Watt University**   2007-2009
- B.Sc. in Math and Computer Science   **University of Arizona**   1997-2001

Personal GitHub:

- AutoV (2016): Auto V2V communication application. https://goo.gl/bX49ZL
- MyEasyPotluck (2009): Potluck website C# & JavaScript. https://goo.gl/F4VRmX